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- pew	AA	3,540,444	11/17/70	Morela	nd	128	173	1/15/68	
·	ВВ	3,788,315	1/29/74	Laurens		128	173H	4/20/71	
ı	сс	4,166,800	9/4/79	Fong		252	316	7/31/78	
	DD	4,384,975	5/24/83	Fong		427	213.36	6/13/80	
	EE	4,530,840	7/23/85	Tice et	al.	514	179	7/29/82	
,	FF	4,542,025	9/17/85	Tice et	al.	424	78	4/30/84	
	GG	4,622,244	11/11/86	Lapka	et al.	427	213.32	8/23/84	
1	нн	4,585,482	4/29/86	Tice et al.		106	15.05	5/25/84	
٠.	II	4,637,905	1/20/87	Gardner		264	4.3	4/11/85	
	11	4,675,189	6/23/87	Kent et al.		424	490	2/8/85	
1	кк	4,798,786	1/17/89	Tice et al.		435	177	5/6/82	
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•		Gilding, Biodegradabl Polymer, vol. 20, Dec.	e polymers for use 1979, pp1459-146	e in surger 64	y-polyglycolic/poly (a	ic c acid) homo- an	d copolymers:	1,	
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thes	LL	4,79	8,786	1/17/89	Tice et	al.	435	177	5/6/82	
Ì	мм	4,83	5,139	5/30/89	Tice et al.		514	15	5/19/87	
	NN	4,86	3,735	9/5/89	Kohn et	al.	524	422	10/2/86	
,	00	4,89	7,268	1/30/90	Tice et	al.	424	422	8/3/87	
	PP	4,93	8,763	7/3/90	Dunn e	al.	604	891.1	10/3/88	
	QQ	4/94	1/880	7/17/90	Burns		604	143	12/12/88	
	RR	5,00	0,886	3/19/91	Lawter et al.		264	4.3	5/26/87	
,	ss	5,01	9,096	5/28/91	Fox, Jr. et al.		623	1	10/14/88	
	тт	5,05	59,187	10/22/91	Sperry et al.		604	290	5/4/90	
	บบ	5,06	54,413	11/12/91	McKinnon et al.		604	70	11/9/89	
	vv	5,07	75,109	12/24/91	Tice et al.		424	88	3/18/88	
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	T		Hall, et al., Purification	and Analysis of	Colonizati	on Factor Antigen I, Coli S Journal of Bacteriology, No	urface Antig	en 1. and Coli	Surface Al	Ntigen 3
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Th		·	Evans, et al. Purification Immunity, Aug. 1979, p	n and Character 738-748, vol. 25.	ization of	the CFR/I Antigen of Enter	otoxigenic Es	scherichia coli	, Infection	and
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	xx	5,129,825	7/14/92	Discko,	Jr.	433	90	10/10/89	
,	YY	5,133,701	7/28/92	Han		604	289	10/15/90	
	zz	5,236,355	8/17/93	Brizzola	ara et al.	433	80	10/5/90	
,	AB	5,278,202	1/11/94	Dunn e	t al.	523	113	12/23/91	
	AC	5,290,494	3/1/94	Coomb	es et al.	264	41	7/16/92	
	AD	5,360,610	11/1/94	Tice et	al.	424	426	3/15/93	
ŀ	AE	5,384,133	1/24/95	Boyes,	et al.	424	501	6/29/93	
	AF	5,407,609	4/18/95	Tice et	al.	264	46	5/17/93	
V).	AG	5,417,986	5/23/95	Reid et	al.	424	499	4/10/92	
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Td	20	Karjalainen, et al., Mol coli, Infection and Imm ee	ecular Cloning a nunity, Apr. 1989	nd Nucleo , p1126-11	tide Sequence of the Colon 30, vol. 57	ization Facto	r Antigen I Ge	ne of Escherichia	
		Jeyanthi, et al., Novel, Proceedings Int. Symp.	Burst Free Progr	ammable	Biodegradable Microspher	es For Contro	olled Release o	f Polypeptides,	
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	AI	5,53	88,739	7/23/96	Bodmer et al.		424	501	1/18/91	
	AJ	5,63	9,480	6/17/97	Bodmer	et al.	424	501	6/6/95	
	AK	5,64	3,605	7/1/97	Cleland	et al.	424	489	6/2/95	
3	AL	5,68	88,530	11/18/97	Bodmer	, et al.	424	501	6/6/95	
	AM	5,69	93,343	12/2/97	Reid, et	al.	424	491	5/16/94	
	AN	5,76	52,965	6/9/98	Burnett et al.		424	499	2/9/96	
t	AP	5,81	1,128	9/22/98	Tice, et al.		424	501	9/7/93	
	AQ	5,81	4,344	9/29/98	Tice, et al.		424	501	6/6/95	,
ď	AR	5,82	20,883	10/13/98	Tice, et al.		424	501	6/6/95	
	AS	5/85	53,763	12/29/98	Tice, et al.		424	489	6/6/95	
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Ŋ		gg	Yeh, A novel emulsificat vaccine and drug deliver	ion-solvent extra y, Journal of Co	ection tech ontrolled F	nique for production of p kelease, 33 (1005) 437-445.	rotein loaded	biodegradable	micropart	icles for
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The	AA	5,429,822	7/4/95	Gresser	et al.	424	426	3/13/92		
¢	вв	5,648,096	7/15/97	Gander	et al.	424	489	6/22/94		
	сс	5,650,173	7/22/97	Ramsta	ck et al.	424	489	10/3/96		
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*EXAMINER INITIAL		OTHER DOCUMENTS The voting Walhor, Title, Date, Pertinent Pages, Etc.)							
HV64 acase		Wang, et al., Influence of formulation methods on the in vitro controlled release of protein from poly (ester) microspheres Journal of Controlled Release, 17 (1991) 23-32.							
the	gg								
	†	Brown, Wonder Drugs' Losing Healing Aura, The Washing Post, June 26, 1995, A section.							
	hh								
	ii	Setterstrom, Controlled Release of Antibiotics From biodegradable Microcapsules For Wound infection Control, Chemical Abstracts, 1983, pp215-226.							
,	ii	Perez-Casal, et al., Gene Encoding the Major Subunit of CS1 Pili of Human Enterotoxigenic Escherichia Coli, Infection and Immunity, Nov., 1990, p 3594-3600, vol. 58, No. 11.							
ì	kk	Jordi, et al., Analysis of the first two genes of the CS1 fimbrial operon in human enterotoxigenic Escherichia coli of serotype 0139: H28, FEMS Microbiology Letters 80, (1991) p265-270.							
· ·	11	Tan, et al., Mapping the Antigenic Epitopes of Human Dihydrofolate Reductase by Systematic Synthesis of Peptides on solid Supports, The Journal of Biological Chemistry, vol. 265, No. 14, Issue of May 15, pp. 8022-8026 (1990)							
× ×	mm	McConnel, et al., Antigenic homology within human enterotoxigenic Esherichia coli fimbrial colonization factor antigens: CFA/I, coli-surface-associated antigens (CS)1, CS2, CS4 and CS17, FEMS Microbiology Letters 61 (1989) 105-108.							
t	nn	Van der Zee, Efficient mapping and characterization of a T cell epitope by the simultaneous synthesis of multiple peptides, Eur. J. Immunol. 1989, 19: 43-47.							
t	00	Cassels, et al., Analysis of Escherichia coli Colonization Factor Antigen I Linear B-Cell Epitopes, as Determined by Primate Responses, following Protein Sequence Verification, Infection and Immunity, June 1992, p. 2174-2181, vol. 60, no. 6.							
e	pp	Romagnoli, et al. Peptide-MHC Interaction: A Rational Approach to Vaccine Design, Inter, RE. Immunol. 6, 1990, 00 61-73.							
	qq	Maister, First Oral AIDS Vaccine Trials Near, BioWorld Today, Tuesday, April 19, 1994, p.4.							
	rr	Rognan, et al., Molecular Modeling of an Antigenic Complex Between a Viral Peptide and a Class I Major Histocompatibility Glycoprotein, Proteins Structure, Function and Genetics 13 70-85 (1992).							
EXAMINER	<u></u>	DATE CONSIDERED							
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+W	Brown, 28 April	A hypothetical model 1988, p845-850.	of the foreign a	antigen biinding	site of Class II his	tocompatibility	molecules, Natur	e, vol. 332,
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